

**United States Environmental Protection Agency  
Region 5**

Air Programs Branch  
Air & Radiation Division  
77 West Jackson Boulevard  
Chicago, Illinois 60604

**AIR POLLUTION CONTROL  
TITLE V PERMIT TO OPERATE**

Permit Number: V-PI-R50004-03-01      Expiration Date: DRAFT

Issue Date: DRAFT      Effective Date: DRAFT

In accordance with the provisions of Title V of the Clean Air Act and 40 C.F.R. Part 71 and applicable rules and regulations,

**Energy Alternatives, Inc.  
Treasure Island Resort & Casino  
5734 Sturgeon Lake Road  
Red Wing, Minnesota 55066**

is authorized to operate air emission units and to conduct other air pollutant emitting activities in accordance with the permit conditions listed in this permit.

This source is authorized to operate in the following location(s):

**Prairie Island Indian Community**

Terms and conditions not otherwise defined in this permit have the meaning assigned to them in the referenced regulations. All terms and conditions of the permit are enforceable by EPA and citizens under the Clean Air Act.

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Thomas Skinner, Regional Administrator  
U. S. EPA - Region 5

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Date

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Stephen Rothblatt, Director  
Air and Radiation Division  
U. S. EPA - Region 5

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Date

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## Abbreviations and Acronyms

BHP	Brake Horsepower
CAA	Clean Air Act [42 U.S.C. Section 7401 <u>et seq.</u> ]
CAM	Compliance Assurance Monitoring
CFR	Code of Federal Regulations
EPA	United States Environmental Protection Agency, Region 5
EU	Emission Unit
Facility	Treasure Island Resort & Casino
gal	gallon
g	grams
HAP	Hazardous Air Pollutant
hg	mercury
hr	hour
Id No.	Identification Number
kg	kilogram
lb	pound
MACT	Maximum Achievable Control Technology
MVAC	Motor Vehicle Air Conditioner
Mg	megagram
MMBtu	million British Thermal Units
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO2	Nitrogen Dioxide
NOx	Nitrogen Oxides
NSPS	New Source Performance Standard
NSR	New Source Review
Owner/Operator	Energy Alternatives, Inc.
Permittee	Energy Alternatives, Inc.
PM	Particulate Matter
PM10	Particulate matter less than 10 microns in diameter
ppm	parts per million
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
SO2	Sulfur Dioxide
VOC	Volatile Organic Compounds

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## **1.0 SOURCE IDENTIFICATION AND UNIT-SPECIFIC INFORMATION**

### **(A). General Source Information**

Parent Company Name: Energy Alternatives, Inc.

Parent Company Mailing Address: 21210 Eaton Ave., Suite C.

City: Farmington State: Minnesota Zip: 55024

Facility Name: Treasure Island Resort and Casino

Facility Location: 5734 Sturgeon Lake Road

City: Red Wing State: Minnesota Zip: 55066

County: Goodhue

Region: 5

Reservation (if applicable): Prairie Island

Tribe (if applicable): Mdewakanton Dakota (Sioux)

Company Contact: Philip Kairis, Vice President  
Phone: (651) 460-6100

Facility Manager/Contact: Vern Hollar, Project Manager  
Phone: (651) 460-6100

Responsible Official: Philip Kairis, Vice President  
Phone: (651) 460-6100

Tribal Contact: Scott Doig, Prairie Island Dept. of Nat. Res.  
Phone: (651) 385-4165

SIC Code (4 digit): 4911, Electric Services

AFS Plant Id No.: 27 049 00084

Description of Process: Energy Alternatives, Inc. owns and operates four (4) internal combustion diesel-fired engines at the Treasure Island Resort and Casino. The electricity produced is used for peak load management and backup power for the Resort and Casino. Electricity is not sold for distribution.

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(B). Source Emission Points

Emission Unit ID No.	Description	Model	Heat Input (MMbtu/hr)	Date Installed
EU-01	Internal Combustion Engine (diesel-fired)	Caterpillar 3516B	16.76	05/25/01
EU-02	Internal Combustion Engine (diesel-fired)	Caterpillar 3516B	16.76	05/25/01
EU-03	Internal Combustion Engine (diesel-fired)	Caterpillar 3516B	16.76	05/25/01
EU-04	Internal Combustion Engine (diesel-fired)	Caterpillar 3516B	16.76	05/25/01

## 2.0 UNIT-SPECIFIC OPERATING CONDITIONS

### (A). Emission Limitations and Standards [40 CFR §71.6(a)(1)]

The Permittee shall comply with the following requirements:

1. Nitrogen Oxide (NOx) PSD BACT Limitations:
  - i. Total nitrogen oxide emissions from each engine shall not exceed 6.55 g/BHP-hr per engine, expressed as NO<sub>2</sub>, averaged over the duration of the emission performance test or any three consecutive hours. [Condition 4.1.a of PSD-PI-R50003-00-01]
  - ii. Total nitrogen oxide emissions from each engine shall not exceed 37.44 lb/hr per engine, expressed as NO<sub>2</sub>, averaged over the duration of the emission performance test or any three consecutive hours. [Condition 4.1.b of PSD-PI-R50003-00-01]
  - iii. Total nitrogen oxide emissions from each engine shall not exceed 10.30 tons/year per engine, expressed as NO<sub>2</sub>, based on a 12-consecutive month rolling sum, with compliance determined at the end of each month. [Condition 4.1.c of PSD-PI-R50003-00-01]
2. Total operating hours of each engine shall not exceed 550 hrs/year, based on a 12-consecutive month rolling sum, with compliance determined at the end of each month. [Condition 4.1.d of PSD-PI-R50003-00-01]
3. The turbocharger and aftercooler shall be in operation at all times that any of the engines (EU-01, EU-02, EU-03 or EU-04) are in operation. [Condition 4.1.e of PSD-PI-R50003-00-01]
4. Lean burn combustion conditions shall be maintained at all times that any of the engines are in operation. [Condition 4.1.e and 4.1.h of PSD-PI-R50003-00-01]
5. The aftercooler return water temperature for each engine shall be maintained at less than or equal to 140 degrees Fahrenheit. [Condition 4.1.f of PSD-PI-R50003-00-01]
6. The intake manifold pressure of each engine shall be

maintained at 28.1 to 76.2 inches of Hg and 40 to 100 percent load. [Condition 4.1.i of PSD-PI-R50003-00-01]

7. The permittee shall retard engine timing at all times for each engine such that the injection of fuel into the engine is delayed. The flash file program #180-1736, which electronically controls each engine, shall be set for retard engine timing. The permittee shall contact the EPA before modifying any parameters pertaining to retard engine timing for any engine. [Condition 4.1.k and 4.1.l of PSD-PI-R50003-00-01]
8. The engines shall only burn low-sulfur diesel fuel containing less than 0.05 percent sulfur. [Condition 4.1.q of PSD-PI-R50003-00-01]
9. At all times, including start-up, shut-down, and malfunction, the permittee shall, to the extent practicable, maintain and operate all sources including associated air pollution control equipment regulated by this permit, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance practices are being used is based on information available to the EPA, which may include, but is not limited to, monitoring results, review of operating and maintenance procedures, and inspections of the facility. In addition, the permittee shall comply with the following: [Section 3.0 of PSD-PI-R50003-00-01]
  - i. Training shall be developed and provided to each facility operator to orient staff as to the applicable terms and conditions of this permit. A log of the time, date, place, and a list of attendees for each training session shall be maintained onsite. A copy of the training materials presented in the training sessions shall be maintained at the facility and available to an authorized EPA representative, upon request.
  - ii. Standard operation and maintenance (O&M) procedures for each emission unit listed in this permit shall be developed and implemented. A copy of the procedures shall be readily available to the operators maintaining each emission unit, and authorized EPA representatives.

- iii. A copy of this permit shall be kept on file at the facility at all times.

**(B). Monitoring and Testing Requirements** [40 CFR §71.6(a)(3)(i)(A) through (C)]

1. Periodic Performance Testing. The permittee shall conduct performance test every three calendar years, starting three years after the initial compliance test, to determine compliance with the emission limits in Condition 2.0(A)(1). [Section 5 of PSD-PI-R50003-00-01].
  - i. In accordance with Condition 4.1.n of PSD-PI-R50003-00-01, the NO<sub>x</sub> emission rate, expressed as NO<sub>2</sub>, shall be determined using the exhaust properties determined by both Method 19 and exhaust gas measurements specified in Sections 5 and 6 of PSD-PI-R50003-00-01.
  - ii. Testing shall be completed in accordance with the Performance Testing requirements, Condition 3.0 (F).
2. Annual Testing. The permittee shall measure NO<sub>x</sub> emissions annually using a portable emissions analyzer to determine compliance with the emissions limits in Condition 2.0(A)(1). [40 CFR §71.6(c)(1), Condition 6 of PSD-PI-R50003-00-01]
  - i. The portable emissions analyzer shall be used according to the Portable Electrochemical Analyzer Procedure in Attachment 2 of PSD-PI-R50003-00-01.
  - ii. This requirement does not apply during the calendar years in which a performance test is required, only during years between the periodic performance tests.
  - iii. Representative Testing Conditions. Annual testing using a portable emissions analyzer shall be conducted under conditions specified by the EPA based on representative operating conditions of the affected emission unit(s). The permittee shall make available to the EPA such records as may be necessary to determine the conditions of annual testing using the portable emissions analyzer.



Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for such annual testing.

- iv. Operating Conditions. All measurements shall be conducted at worst case operating (non-malfunction) conditions for all emission units for each air pollutant that is required to be tested unless:
    - (a). The applicable requirement or compliance document specifies alternative operating conditions for annual testing using a portable emissions analyzer; or
    - (b). The worst case condition is not known or calculable. In this case, worst case conditions shall be assumed to be the maximum achievable process or operating rate of the emissions unit.
  - v. Measurement Cycles. Each test shall consist of at least four, but no more than six, 15-minute measurement cycles. For the purpose of determining compliance with the applicable standard, the results of all measurement cycles will be added together and divided by the number of measurement cycles to arrive at an average emission rate. The result will be used as one basis for determining compliance with the emission limit specified in this permit. In the event that a sample is accidentally lost or conditions occur in which one of the measurement cycles must be discontinued because of forced shutdown, extreme meteorological conditions, or other circumstances beyond the permittee's control, EPA may, in its sole discretion, determine compliance using the arithmetic mean of the results of the non-damaged measurement cycles.
- 3. The permittee shall continuously monitor the aftercooler water temperature for each engine. The temperature shall be controlled by thermostatic valves that maintain a return water temperature of 140 degrees Fahrenheit. [Condition 4.1.g of PSD-PI-R50003-00-01]
  - 4. The permittee shall continuously monitor the intake manifold pressure of each engine. [Condition 4.1.j of

PSD-PI-R50003-00-01]

5. Upon request by the EPA, the Permittee shall conduct performance tests for any or all of the following pollutants: sulfur dioxide, particulate matter, volatile organic compounds, carbon monoxide, and any combination of hazardous air pollutants. The EPA may use the results of any performance tests or any other credible evidence to determine whether the actual emission levels of the above pollutants exceed the limited permitted emission estimates. The permittee shall use applicable test methods in Appendix A of 40 CFR Part 60 or any other method approved by EPA for conducting any performance tests for the above pollutants. [Condition 4.1.p of PSD-PI-R50003-00-01 and 62 FR 8314 (Feb. 27, 1997)]

(C). Recordkeeping and Reporting Requirements [40 CFR §71.6(c)(3)]

1. In accordance with Condition 2.0(B) and 3.0(F), the permittee shall furnish to the EPA a written report detailing the results of each performance or annual test within 45 days of completion of each test. [Conditions 5 and 6 of PSD-PI-R50003-00-01].
2. The permittee shall maintain records, including printouts of digital readouts, gauges, or meters, for times in which the flash file program #180-1736 is modified and any times in which retard engine timing parameters have been changed. [Condition 4.1.m of PSD-PI-R50003-00-01]
3. The permittee shall certify that all electronic controls are set for low emission strategy. [Condition 4.1.o of PSD-PI-R50003-00-01]
4. In accordance with the recordkeeping requirements listed in Section 7 of PSD-PI-R50003-00-01, the permittee shall maintain a file at the Facility of the records that are required to be retained by this permit. Records include, but are not limited to, all calibration and maintenance records, all original continuous monitoring instrumentation data, and copies of all reports required by this permit. Monitoring records include, but are not limited to:

- (a). The aftercooler return water temperature, intake manifold pressure, and any changes to flash file program #180-1736 for all emission units;
- (b). Hours of operation for all emission units;
- (c). Performance test data and results;
- (d). Results of annual testing from the portable emissions analyzer;
- (e). Reports of excess emissions
- (f). Changes requiring notification to EPA under this section
- (g). Calibration and maintenance records, original strip charts, or computer-based recordings;
- (h). Sampling dates and the times of sampling or measurement;
- (i). The operating conditions that existed at the time of sampling or measurement;
- (j). The dates analyses were performed;
- (k). The location where samples were taken;
- (l). The company or entity that performed the sampling and analyses;
- (m). The analytical techniques or methods used in the sampling and analyses;
- (n). The results of the analyses; and
- (o). Occurrence and duration of any startup, shutdown, or malfunction in the operation of EU 001, 002, 003, and/or 004 or the facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

### 3.0 FACILITY-WIDE PERMIT CONDITIONS

Conditions in this section of the permit apply to all emissions units located at the facility, including any units not specifically listed in Condition 1.0 (B). [40 CFR §71.6(a)]

(A). General Part 71 Recordkeeping Requirements [40 CFR §71.6(a)(3)(ii)]

1. The Permittee shall keep records of required monitoring information that include the following:
  - i. The date, place, and time of sampling or measurements;
  - ii. The date(s) analyses were performed;
  - iii. The company or entity that performed the analyses;
  - iv. The analytical techniques or methods used;
  - v. The results of such analyses; and
  - vi. The operating conditions as existing at the time of sampling or measurement.
2. The Permittee shall retain records of all required monitoring data and support information for a period of at least five calendar years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(B). General Part 71 Reporting Requirements [40 CFR §71.6(a)(3)(iii), 62 FR 8314 (February 24, 1997)]

1. The Permittee shall submit to the EPA semi-annual reports of any required monitoring for each six-month reporting period from January 1 to June 30, and from July 1 to December 31, except that the first reporting period shall begin on the effective date of this permit and end on December 31. All reports shall be

submitted to the EPA and shall be postmarked by the 30th day following the end of the reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with Condition 4.0(H)(1) of this permit). [40 CFR §71.6(a)(3)(iii)(A) and (B)]

- i. A monitoring report under this section must include the following:
  - (a). The company name and address;
  - (b). The beginning and ending dates of the reporting period;
  - (c). The emissions unit or activity being monitored;
  - (d). The emissions limitation or standard, including operational requirements and limitations (such as parameter ranges), specified in the permit for which compliance is being monitored;
  - (e). All instances of deviations from permit requirements whether demonstrated by referenced test method, monitoring, or through any other credible evidence, including those attributable to upset conditions as defined in this permit, and the date on which each deviation occurred;
  - (f). The report shall include the total time when monitoring required by this permit was not performed during the reporting period and, at the source's discretion, either the total duration of deviations indicated by such monitoring or the actual records of deviations;
  - (g). All other monitoring results, data, or analyses required to be reported by the applicable requirement; and
  - (h). The name, title, and signature of the responsible official who is certifying to

the truth, accuracy, and completeness of the report.

- ii. Any report required by an applicable requirement that provides the same information described in Condition 3.0(B)(1)(a) through (h) above shall satisfy the requirement under (B)(1).
  - iii. "Deviation," means any situation in which an emissions unit fails to meet a permit term or condition. A deviation is not always a violation. A deviation can be determined by observation or through review of data obtained from any testing, monitoring, or record keeping established in accordance with 40 CFR §71.6(a)(3)(i) and (a)(3)(ii). For a situation lasting more than 24 hours, each 24-hour period is considered a separate deviation. Included in the meaning of deviation are any of the following: [40 CFR §71.6(a)(3)(iii)(C)]
    - (a). A situation when emissions exceed an emission limitation or standard;
    - (b). A situation where process or emissions control device parameter values indicate that an emission limitation or standard has not been met; and
    - (c). A situation in which observations or data collected demonstrates noncompliance with an emission limitation or standard or any work practice or operating condition required by the permit.
2. The Permittee shall promptly report to the EPA deviations from this permit or the start-up, shut-down malfunction plan requirements, the probable cause of such deviations, and any corrective actions or preventive measures taken. "Prompt" is defined as follows:
- i. Any definition of "prompt" or specific timeframe for reporting deviations provided in an underlying applicable requirement (as identified in this permit); or
  - ii. Where the underlying applicable requirement does

not define prompt or provide a timeframe for reporting deviations, reports of deviations will be submitted based on the following schedule:

- (a). For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in the applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
  - (b). For emissions of any regulated pollutant excluding a hazardous air pollutant or a toxic air pollutant that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
  - (c). For all other deviations from permit requirements, the report shall be submitted with the semi-annual monitoring report required in paragraph (1) of this section.
3. If any of the conditions in Condition 3.0(B)(2)(ii)(a) through (c) above are met, the source must notify the EPA by telephone or facsimile based on the timetable listed. A written notice, certified consistent with Condition 3.0(B)(4), must be submitted within 10 working days of the occurrence. All deviations reported under this section must also be identified in the semi-annual report required under paragraph (1) of this section.
4. Any application form, report, or compliance certification required to be submitted by this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete [40 CFR §71.5(d)].

(C). Permit Shield [40 CFR §71.6(f)]

- 1. Nothing in this permit shall alter or affect the following:
  - i. The liability of the Permittee for any violation

of applicable requirements prior to or at the time of permit issuance;

- ii. The ability of the EPA to obtain information under Section 114 of the CAA; or
- iii. The provisions of Section 303 of the CAA (emergency orders), including the authority of the Administrator under that section.

- 2. Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance provided that such applicable requirements are included and specifically identified in this permit.

(D). **Performance Testing** [40 CFR §71.6(a)(3)(i) and Section 5 of PSD-PI-R50003-00-01]

- 1. Testing Notification. Written notification of the planned test date shall be postmarked or received by the EPA at least 30 days before the planned test date. The EPA shall reject the results of a test if less than 30 days notice is given unless written authorization of a shorter notice was given by the EPA.
- 2. Test Plans. Within 60 days after receiving a request and at least 30 days before the scheduled date of any tests, the permittee shall submit a complete plan for conducting the source tests to the EPA for approval. Failure to submit a complete plan shall not alter the date by which any test is required.
- 3. Approval of Test Plan. If the proposed test plan does not contain sufficient or accurate enough detail to ensure that the performance test meets the requirements of the applicable requirement or compliance document, EPA may reject the plan, and the permittee must address any of EPA's comments on revisions and additions that are necessary to make the plan complete.
- 4. The test plan shall be submitted in the following format and include the following elements:

Part I. General information:



- (a). Name and address of facility;
- (b). Name, title, telephone number, and facsimile number of contact person at facility;
- (c). Permit number or name of other applicable compliance document;
- (d). Reason for testing;
- (e). Schematic drawing of stack and sample ports;
- (f). Location of facility; and
- (g). Name, contact person, telephone number, and facsimile number for testing company contracted to conduct the test.

Part II. Testing requirements:

- (a). List of the emission units, as identified in the applicable requirement or compliance document, and pollutants to be tested, the emission limit for each pollutant, and the applicable rule or regulation for each emission limit; and
- (b). Description of procedure for fuel sampling and analysis, where applicable.

Part III. Operating conditions:

- (a). List of the process or operating rate and conditions of the process equipment and air pollution control equipment for the test;
- (b). List of the range of process or operating rates for each emissions unit; and
- (c). Description of how air pollution control and process equipment will be monitored.

Part IV. Test methods:

- (a). List of the methods to be used to determine the emission rate of each pollutant;
- (b). Number of test runs, length of test run, and sampling rate for each method;
- (c). Reference to any applicable requirement or compliance document requiring use of specific methods or procedures;
- (d). Summary of reasons for proposing to use any alternative or equivalent method; and
- (e). For test methods other than reference methods, statement of the detection limit and the degree of accuracy of that method at the expected emission rate and under the conditions of the performance test.

5. Operating Conditions for Performance Testing. All performance tests shall be conducted at worst case operating (non-malfunction) conditions for all emission units for each air pollutant that is required to be tested unless:
  - i. The applicable requirement or compliance document specifies alternative operating conditions for performance testing; or
  - ii. The worst case condition is not known or calculable. In this case, worst case conditions shall be assumed to be the maximum achievable process or operating rate of the emissions unit.
6. Test Runs. Unless otherwise specified by the applicable Reference Test Method, each performance test shall consist of three separate runs. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances beyond the permittee's control, compliance may, upon the EPA's approval, be determined using the arithmetic mean of the results of the two other runs.
7. Failure to demonstrate compliance. Upon the EPA's written notice that the facility has failed to demonstrate compliance with an applicable emission limit, the permittee, unless an alternative schedule is given in an applicable requirement or compliance document, shall:
  - i. Submit to the EPA written notice of retesting, submit a test plan for the retest, and schedule a pretest meeting at least 21 days in advance of the date of the retest. The pretest meeting shall be held at least seven days prior to the date of the retest, except that a shorter period shall be allowed if the EPA is able to accommodate such a request for a meeting;
  - ii. Conduct a retest within 30 days of receipt of the

- EPA written notice; and
- iii. Submit a complete report of the results of the retest within 45 days after completion.
8. The permittee may receive an extension to the schedule if one of the following special circumstances applies:
- i. Seasonal or temporary shutdown of the affected emissions units;
  - ii. Malfunction or breakdown of the affected emissions units, unless the EPA determines that a retest under such conditions is warranted in order to determine the effect of the malfunction or breakdown on emissions or where such conditions are representative of past operation of the emissions units;
  - iii. Weather conditions that prevent using the applicable test methods or prevent operation of the affected emission units at the required operating conditions;
  - iv. Any other conditions beyond the control of the permittee that prevent using the applicable test methods or prevent operation of the affected emissions units at the required operating conditions; or
  - v. Any other condition beyond the control of the permittee that prevents completion of a retest within the required schedule.
9. Request for a Retest Extension. Any request for an extension of the time schedule shall be submitted to the EPA in writing by the permittee prior to the date by which retesting is required. The request shall specify the reason why the extension is needed, and include an alternative retest schedule. The EPA shall grant the request for extension if the EPA finds that one or more of the special conditions in this section apply. If the EPA grants an extension, the permittee shall implement the alternative retest schedule. A requested extension shall not be effective unless the EPA has given written approval of the extension. The EPA shall not extend a retest date more than 30 days after the start-up, completion of maintenance, seasonal weather change, or other improvement in the

special conditions listed in this section. A retest date shall not be extended beyond 30 days.

10. Only regular operating staff may adjust the processes or emission control device parameters during a compliance source test. No adjustments are to be made within two (2) hours of the start of the tests. Any operating adjustments made during a source test, that are a result of consultation during the tests with source testing personnel, equipment vendors, or consultants may render the source test invalid.
11. Within 45 days after completion of a set of tests, the permittee shall submit a copy of the results to the EPA.

(E). Credible Evidence [62 FR 8314 (February 24, 1997)]

Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance with or violation of applicable requirements.

**4.0 PART 71 GENERAL PERMIT REQUIREMENTS**

**(A). Definitions** [40 CFR §71.2]

Terms and conditions have the meaning assigned to them in Part 71 unless other regulations or statutes are referenced.

**(B). Annual Fee Payment** [40 CFR §§71.6(a)(7) and 71.9]

1. The Permittee shall pay an annual permit fee in accordance with the procedures outlined below. [40 CFR §71.9(a).]
2. The Permittee shall submit an annual report of its actual emissions for the preceding calendar year, a fee calculation work sheet (based on the report), and full payment of the annual fee each year. The Permittee shall submit the annual report and pay the annual permit fee each year on or before the anniversary date of its initial fee calculation work sheet, June 20<sup>th</sup>.

The Permittee shall submit the annual report to:

**Air Enforcement and Compliance  
Assurance Branch (AE-17J)  
Air and Radiation Division  
EPA Region 5  
77 West Jackson Boulevard  
Chicago, Illinois 60604**

3. The fee payment shall be in United States currency and shall be paid by money order, bank draft, certified check, corporate check, or electronic funds transfer payable to the order of the U.S. Environmental Protection Agency.
4. The Permittee shall send the fee payment and a completed fee filing form to:

**U.S. Environmental Protection Agency  
P.O. Box 70753  
Chicago, Illinois 60673**

5. The Permittee shall send an updated fee calculation worksheet form and a photocopy of each fee payment check (or other confirmation of actual fee paid)

submitted annually by the same deadline as required for fee payment to the address listed in Condition 4.0(H) of this permit. (The permittee should note that an annual emissions report, required at the same time as the fee calculation worksheet by 40 CFR §71.9(h), has been incorporated into the fee calculation worksheet form as a convenience.)

6. Basis for calculating annual fee:

i. The annual emissions fee shall be calculated by multiplying the total tons of actual emissions of all regulated pollutants emitted from the source, including fugitive emissions by the presumptive emissions fee (in dollars/ton) in effect at the time of calculation.

(a). "Actual emissions" means the actual rate of emissions in tpy of any "regulated pollutant (for fee calculation)" emitted from a Part 71 source over the preceding calendar year. Actual emissions shall be calculated using each emissions unit's actual operating hours, production rates, in-place control equipment, and types of materials processed, stored, or combusted during the preceding calendar year. [ 40 CFR §71.9(c)(6) ]

(b). Actual emissions shall be computed using methods required by the permit for determining compliance, such as monitoring or source testing data. [40 CFR §71.9(h)(3)]

(c). If actual emissions cannot be determined using the compliance methods in the permit, the Permittee shall use other federally recognized procedures. [ 40 CFR §71.9(e)(2) ]

(d). The term "regulated pollutant (for fee calculation)" is defined in 40 CFR §71.2.

(e). Prior to the start each calendar year, the EPA will revise for inflation and make available the presumptive fee amount.

ii. The Permittee shall exclude the following emissions from the calculation of fees:

(a). The amount of actual emissions of each

regulated pollutant (for fee calculation)  
that the source emits in excess of 4,000  
tons per year [40 CFR §71.9(c)(5)(i)];

- (b). Actual emissions of any regulated pollutant (for fee calculation) already included in the fee calculation [40 CFR §71.9(c)(5)(ii)]; and
  - (c). The quantity of actual emissions (for fee calculation) of insignificant activities [defined in 40 CFR §71.5(c)(11)(i)] or of insignificant emissions levels from emissions units identified in the Permittee's application [pursuant to 40 CFR §71.5(c)(11)(ii)]. [40 CFR §71.9(c)(5)(iii)]
7. Fee calculation worksheets shall be certified as to truth, accuracy, and completeness by a responsible official in accordance with Condition 4.0(H)(1). (The permittee should note that the fee calculation worksheet form already incorporates a section to help you meet this responsibility.)
  8. The Permittee shall retain fee calculation worksheets and other emissions-related data used to determine fee payment for 5 years following submittal of fee payment. Emission-related data include, for example, emissions-related forms provided by the EPA and used by the Permittee for fee calculation purposes, emissions-related spreadsheets, and emissions-related data, such as records of emissions monitoring data and related support information required to be kept in accordance with 40 CFR §71.6(a)(3)(ii). [40 CFR §71.9(i).]
  9. Failure of the Permittee to pay fees in a timely manner shall subject the Permittee to assessment of penalties and interest in accordance with 40 CFR §71.9(l).
  10. When notified by the EPA of underpayment of fees, the Permittee shall remit full payment within 30 days of receipt of notification. [40 CFR §71.9(j)(1) and (2).]
  11. A Permittee who believes an the EPA assessed fee is in error and wishes to challenge such fee shall provide a written explanation of the alleged error to the EPA along with full payment of the EPA assessed fee.

[40 CFR §71.9(j)(3)]

(C). Compliance Statement [40 CFR §71.6(a)(6)]

1. Duty to Comply. The Permittee must comply with all conditions of this Part 71 permit. Any noncompliance with this permit constitutes a violation of the CAA and is grounds for: [40 CFR §71.6(a)(6)(i)]
  - i. Enforcement action;
  - ii. Permit termination, revocation and reissuance, or modification; or
  - iii. Denial of a permit renewal application.
2. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [40 CFR §71.6(a)(6)(ii)]

(D). Compliance Certifications [40 CFR §71.6(c)(5)]

1. The Permittee shall submit to the EPA a certification of compliance with all permit terms and conditions, including emission limitations, standards, or work practices, each calendar year, due within 30 days of the anniversary of the effective date of this permit. The compliance certification shall be certified as to truth, accuracy, and completeness by a responsible official in accordance with Condition 4.0(H)(1) of this permit. The certification shall include the following:
  - i. Identification of each permit term or condition that is the basis of the certification;
  - ii. Identification of the method(s) or other means used for determining the compliance status of each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. If necessary, the Permittee also shall identify any other material information that must be included in the certification to comply with Section 113(c)(2) of the CAA, which prohibits knowingly making a false certification or omitting material



information;

iii. The compliance status of each term and condition of the permit, including whether monitoring data is continuous and whether that data or any other credible evidence shows the compliance is continuous. The certification shall identify each deviation and take it into account in the compliance certification; and

iv. A statement indicating the compliance status of the source with any applicable enhanced monitoring and compliance certification requirements of the CAA.

**(E). Schedule of Compliance** [40 CFR §§71.6(c)(3) and 71.5(c)(8)(iii)]

1. For applicable requirements with which the source is in compliance, the source will continue to comply with such requirements.
2. For applicable requirements that will become effective during the permit term, the source shall meet such requirements on a timely basis.

**(F). Duty to Provide and Supplement Information** [40 CFR §§71.6(a)(6)(v) and 71.5(b)]

1. The Permittee shall furnish to the EPA, within a reasonable time, any information that the EPA may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating this permit or to determine compliance with this permit. Upon request, the Permittee shall also furnish to the EPA copies of records that are required to be kept pursuant to the terms of this permit, including information claimed to be confidential. Information claimed to be confidential should be accompanied by a claim of confidentiality according to the provisions of 40 CFR Part 2, Subpart B.
2. The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information. The Permittee shall also provide additional information as necessary to address any

requirements that become applicable to the facility after this permit is issued.

(G). **Enforceability** [40 CFR §71.6(b)]

All terms and conditions in this permit, including any provisions designated to limit a source's potential to emit, are enforceable by the EPA and citizens in accordance with the CAA.

(H). **Submissions** [40 CFR §§71.5(d), 71.6 and 71.9]

1. A responsible official of the permittee shall certify as to the truth, accuracy, and completeness of any document required to be submitted by this permit. Such certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Except as otherwise noted, the permittee shall submit all documents required to be submitted by this permit to:

**Air Enforcement and Compliance  
Assurance Branch (AE-17J)  
Air and Radiation Division  
EPA Region 5  
77 West Jackson Boulevard  
Chicago, Illinois 60604**

2. The Permittee shall submit copies of permit applications, permit amendments, and other applicable permit information, which includes but not limited to installation of control equipment, replacement of an emissions unit, fee calculation worksheets, and applications for renewals and permit modifications shall be submitted to:

**Air Permits Section,  
Air Programs Branch (AR-18J)  
EPA Region 5  
77 West Jackson Boulevard  
Chicago, Illinois 60604**

3. The Permittee shall submit all submittals that are required by the Acid Rain Program, 40 CFR Parts 72 through 78 to:

U. S. Environmental Protection Agency  
Clean Air Markets Division  
Ariel Rios Building (6204J)  
1200 Pennsylvania Avenue N.W.  
Washington D.C. 20460

(I). Severability Clause [40 CFR §71.6(a)(5)]

The provisions of this permit are severable, and in the event of any challenge to any portion of this permit, or if any portion is held invalid, the remaining permit conditions shall remain valid and in force.

(J). Permit Actions [40 CFR §71.6(a)(6)(iii)]

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(K). Administrative Permit Amendments

The Permittee may request the use of administrative permit amendment procedures for a permit revision in accordance with 40 CFR §71.7(d).

(L). Minor Permit Modifications

The Permittee may request the use of minor permit modification procedures for those modifications that meet the requirements contained in 40 CFR §71.7(e)(1).

(M). Significant Permit Modifications

The Permittee must request the use of significant permit modification procedures for those modifications that meet the requirements contained in 40 CFR §71.7(e)(3).

(N). Reopening for Cause [40 CFR §71.7(f)]

1. The EPA shall reopen and revise the permit prior to expiration under any of the following circumstances:
  - i. Additional applicable requirements under the CAA become applicable to a major Part 71 source with a remaining permit term of 3 or more years.

- ii. Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
- iii. The EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iv. The EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(O). Property Rights [40 CFR §71.6(a)(6)(iv)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

(P). Inspection and Entry [40 CFR §71.6(c)(2)]

- 1. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow the EPA or an authorized representative to perform the following as authorized by the CAA:
  - i. Enter upon the Permittee's premises where a Part 71 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - iv. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(Q). Emergency Provisions [40 CFR §71.6(g)]

1. In addition to any emergency or upset provision contained in any applicable requirement, the Permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency. To do so, the Permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - i. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;
  - ii. The permitted facility was at the time being properly operated;
  - iii. During the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and
  - iv. The Permittee submitted notice of the emergency to the EPA within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This notice fulfills the requirements of Condition 3.0(B)(2) of this permit, concerning prompt notification of deviations.
2. In any enforcement proceeding the Permittee attempting to establish the occurrence of an emergency has the burden of proof.
3. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

**(R). Off-Permit Changes** [40 CFR §71.6(a)(12)]

1. The Permittee is allowed to make certain changes without a permit revision, provided that the following requirements are met:
  - i. Each change is not addressed or prohibited by this permit;
  - ii. Each change must comply with all applicable requirements and may not violate any existing permit term or condition;
  - iii. Changes under this provision may not include changes subject to any requirement of 40 CFR parts 72 through 78 or modifications under any provision of Title I of the CAA;
  - iv. The Permittee must provide contemporaneous written notice to the EPA of each change, except for changes that qualify as insignificant activities under 40 CFR §71.5(c)(11). The written notice must describe each change, the date of the change, any change in emissions, pollutants emitted, and any applicable requirements that would apply as a result of the change;
  - v. The permit shield does not apply to changes made under this provision; and
  - vi. The Permittee must keep a record describing all changes that result in emissions of any regulated air pollutant subject to any applicable requirement not otherwise regulated under this permit, and the emissions resulting from those changes.

**(S). Permit Expiration and Renewal** [40 CFR §§71.5(a)(1)(iii), 71.6(a)(11), 71.7(b), 71.7(c)(1)(i) and (ii), 71.8(d)]

1. This permit shall expire upon the earlier occurrence of the following events:
  - i. Five years elapses from the date of issuance; or
  - ii. The source is issued a part 70 permit by an EPA-approved permitting authority.

2. Expiration of this permit terminates the Permittee's right to operate unless a timely and complete permit renewal application has been submitted at least six calendar months, but not more than eighteen calendar months, prior to the date of expiration of this permit.
3. If the Permittee submits a timely and complete permit application for renewal, consistent with 40 CFR §71.5(a)(2), but the permitting authority has failed to issue or deny the renewal permit, then the permit shall not expire until the renewal permit has been issued or denied and any permit shield granted pursuant to 40 CFR §71.6(f) may be extended beyond the original permit term until renewal.
4. If the permittee has submitted a timely complete application for renewal, the Permittee's failure to have a Part 71 permit is not a violation of Part 71 until the EPA takes final action on the permit renewal application. This protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit any additional information identified as being needed to process the application by the deadline specified in writing by the EPA.
5. Renewal of this permit is subject to the same procedural requirements that apply to initial permit issuance, including those for public participation, affected State, and tribal review.
6. The application for renewal shall include the current permit number, description of permit revisions and off-permit changes that occurred during the permit term, any applicable requirements that were promulgated and not incorporated into the permit during the permit term, and other information required by the application form.

(T). Emissions Trading [40 CFR §71.6(a)(8)]

No Part 71 permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in a Part 71 permit.

(U). Acid Rain Permit Provisions [40 CFR §71.6(a)(4)]

The Permittee may not exceed any allowances that it lawfully holds under 40 CFR Part 72 through 78.

(V). Operational Flexibility [40 CFR §71.6(a)(13)]

1. The Permittee may make changes within a permitted facility without a permit revision, provided the following conditions are met:
  - i. The changes are not modifications under any provision of title I of the CAA;
  - ii. The changes do not exceed the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions); and
  - iii. The Permittee notifies the EPA at least 7 days in advance of the proposed changes. The written notification shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.